

DERWENT-ACC-NO: 1976-59879X

DERWENT-WEEK: 197632

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TITLE: Slow-acting NP and NPK fertilisers
prodn - by mixing urea with phosphate salts and reacting
with aldehydes

PATENT-ASSIGNEE: DI DIO P[DDIOI]

PRIORITY-DATA: 1975DD-0187846 (August 14, 1975)

PATENT-FAMILY:

PUB-NO	PAGES	MAIN-IPC	PUB-DATE	LANGUAGE
DD 120646 A	000	N/A	June 20, 1976	N/A

INT-CL (IPC): C05C009/00

ABSTRACTED-PUB-NO: DD 120646A

BASIC-ABSTRACT:

Slow-acting fertilisers are produced by reacting a mixt. of urea and an ammonium, K, Ca or Mg phosphate, and opt. a K salt, with a ≥ 2 C aldehyde in the presence of H₂O at a pH of 2-7 and a temp. of < 100 degrees C. The process gives stable, homogenous NP or NPK fertilisers without the use of a separate urea-aldehyde condensation step.

TITLE-TERMS: SLOW ACT NPK FERTILISER PRODUCE MIX UREA
PHOSPHATE SALT REACT

DERWENT-CLASS: C04

CPI-CODES: C05-A01A; C05-B02A4; C10-A13C; C10-D01;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

K0 M320 M280 L431 L432 M620 M431 P113 M510 M520
M530 M540 M782 R003 R051 R052 Q620 M416 M902

Chemical Indexing M2 *02*

Fragmentation Code

J6 M210 M212 M213 M214 M215 M216 M220 M221 M222
M223 M224 M225 M226 M231 M232 M233 M260 M281 M312
M313 M314 M315 M316 M320 J451 J471 M620 H721 M431
M510 M520 M530 M540 M782 R003 R051 R052 Q620 M416
M902

Chemical Indexing M2 *03*

Fragmentation Code

A940 C730 C108 C100 C316 C803 C806 C802 C807 C805
C804 C801 A119 C540 C017 M431 P111 P112 M782 R003
R051 R052 Q620 M411 M902

Chemical Indexing M2 *04*

Fragmentation Code

A940 C101 C108 C802 C807 C805 C804 B720 A119 C500
B815 B819 B831 A212 A220 B115 B701 B713 M431 P111
P112 M782 R003 R051 R052 Q620 M411 M902